

Enhanced Night Vision Goggle



The Enhanced Night Vision Goggle (ENVG) enhances individual Soldier mobility and situational awareness day or night in all weather and battlefield obscurant conditions.

A helmet-mounted, passive device, ENVG incorporates image intensification and long-wave infrared sensors into a single, integrated system. ENVG

improves the Soldier's situational awareness by providing the capability to rapidly detect and recognize man-sized targets while simultaneously maintaining the ability to see detail and to use rifle-mounted aiming lights.

Performance Characteristics

Man-Sized Target (Standing and Moving) Recognition Requirements:

- 80 percent probability at 150 meters, given a detection
- 50 percent probability at 300 meters, given a detection

Total System Weight: 2 pounds, including 4 AA batteries

Continuous Operation: 7.5 hours continuous fusion plus an additional 7.5 hours of image intensification only with no battery charge

Compatibility: AN/PEQ-2A, AN/PAQ-4 Infrared Aiming Lights

Operational Reliability: ≥ 350 hours MTB system abort
 ≥ 260 hours MTB NOC EFF

A digital upgrade package for ENVG will take advantage of image processing techniques to improve the image clarity and situational awareness for the Soldier. A digital system lends itself to the battlefield of the future with the ability to import and export digital files (data/map injection).

